

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	0	wo9116124.pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/05/14 10:34
S2	146	(210/232.ccls. or 210/253.ccls. or 210/254.ccls. or 210/321.79.ccls. or 55/158.ccls. or 55/343.ccls.) and filter adj3 (cartridge or element or module) and (clip or clamp)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/05/14 13:19
S3	48	((210/232.ccls. or 210/253.ccls. or 210/254.ccls. or 210/321.79.ccls. or 55/158.ccls. or 55/343.ccls.) and filter adj3 (cartridge or element or module) and (clip or clamp)) and clip	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/08/14 12:58
S4	14	24/455.ccls. and (circular or arc\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/08/14 13:03
S5	57	24/455.ccls. and (circular or arc\$3 or C)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/08/14 13:03
S6	208	(210/232.ccls. or 210/253.ccls. or 210/254.ccls. or 210/321.79.ccls. or 55/158.ccls. or 55/343.ccls.) and (manifold or header adj3 assembly)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/08/14 13:20
S7	103	((210/232.ccls. or 210/253.ccls. or 210/254.ccls. or 210/321.79.ccls. or 55/158.ccls. or 55/343.ccls.) and (manifold or header adj3 assembly)) and (membrane or spiral or hollow adj3 fiber)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/09 11:41
S8	3	"5401401".URPN.	USPAT	OR	ON	2003/04/28 11:52
S9	20	("2137397"   "2275428"   "2335756"   "2537965"   "3273717"   "3371789"   "3458441"   "3688907"   "3785342"   "3891555"   "3957634"   "4024064"   "4072616"   "4093547"   "4108775"   "4188295"   "4601821"   "4895646"   "4994177"   "5062951").PN.	USPAT	OR	ON	2003/04/28 11:54

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S10	2	("5405528").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/28 11:59
S11	8	("4201673"   "4239729"   "4315819"   "4416305"   "4547289"   "4600512"   "4876012"   "5223134").PN.	USPAT	OR	ON	2003/04/28 11:56
S12	6	"5405528".URPN.	USPAT	OR	ON	2003/04/28 11:58
S13	2	("5389260").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/28 12:48
S14	5	"5389260".URPN.	USPAT	OR	ON	2003/04/28 12:00
S15	4	("3542204"   "4208289"   "4911840"   "5002664").PN.	USPAT	OR	ON	2003/04/28 12:00
S16	8459	((210/650) or (210/652) or (210/252) or (210/446) or (210/447) or (210/428) or (210/488) or (210/493.2) or (210/440) or (210/500.23) or (210/45) or (210/321.6) or (210/321.61) or (210/321.\$)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/28 12:49
S17	319	(((210/650) or (210/652) or (210/252) or (210/446) or (210/447) or (210/428) or (210/488) or (210/493.2) or (210/440) or (210/500.23) or (210/45) or (210/321.6) or (210/321.61) or (210/321.\$)).CCLS.) and (housing vessel container) and membrane and (manifold cap header endcap) and (clip clamp lock\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/04/28 13:05
S18	6	(((210/323.1) or (210/322.1) or (210/322.2) or (210/330) or (210/340) or (210/341)).CCLS.) and (housing manifold vessel cylinder container header cap) and collar and lock\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/05/14 10:36
S19	1199	((210/323.1) or (210/322.1) or (210/322.2) or (210/330) or (210/340) or (210/341)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/05/14 10:45
S20	3745	"210"/\$.ccls. and filter and (housing manifold cap vessel header collar) and (clamp clip lock\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/05/14 13:24

## EAST Search History

S21	819	("210"/\$.ccls. and filter and (housing manifold cap vessel header collar) and (clamp clip lock\$3)) and (manifold header)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/05/14 13:25
S22	110	(("210"/\$.ccls. and filter and (housing manifold cap vessel header collar) and (clamp clip lock\$3)) and (manifold header)) and collar and (clip clamp)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/05/14 13:26
S23	8	("4201673"   "4239729"   "4315819"   "4416305"   "4547289"   "4600512"   "4876012"   "5223134").PN.	USPAT	OR	ON	2004/10/04 09:23
S24	6	"5405528".URPN.	USPAT	OR	ON	2003/05/14 15:52
S25	5	("3228527"   "3246764"   "3442389"   "3456805"   "3503515").PN.	USPAT	OR	ON	2003/05/14 15:54
S26	18	"4547289".URPN.	USPAT	OR	ON	2003/05/14 15:54
S27	4	(("5194149") or ("5094750")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/04 09:20
S28	2	("20020148767").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/04 09:23
S29	2125	((210/232) or (210/253)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/04 10:54
S30	4	("4107043").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/04 11:36
S31	2	("20010027951").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/04 11:36

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S32	2833	((210/232) or (210/321.72) or (210/321.78) or (210/321.79) or (210/321.80) or (210/340)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/08 12:32
S33	408	S32 and (header manifold)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/08 12:32
S34	18	("4151085"   "4735716"   "4769131"   "5128035"   "5143601"   "5194149"   "5397468"   "5399263"   "5798040"   "5833850"   "5895570"   "5919357"   "5925240"   "5935426"   "5935441"   "6001249"   "6080313"   "6099735").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/08 12:43
S35	1933	210/232.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/09 11:41
S36	351	(210/232.ccls. or 210/253.ccls. or 210/254.ccls. or 210/321.79.ccls. or 55/158.ccls. or 55/343.ccls.) and (manifold header)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/09 11:42
S37	3	(membrane and manifold and hollow adj fiber near3 bundle and collar and (clip clasp) )	US-PGPUB	OR	ON	2005/06/29 09:22
S38	3	(membrane and manifold and hollow adj fiber near3 bundle and collar and (clip clasp clamp) )	US-PGPUB	OR	ON	2005/06/29 09:37
S39	2	("4781831").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/07 15:37
S40	5363	(hollow adj fiber bundle) and housing and (clamp clip)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/07 16:10
S41	4141	S40 and plural\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/07 16:09

## EAST Search History

S42	2146	(hollow adj fiber fiber near3 bundle) and housing and (clamp clip)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/07 16:10
S43	2	("6294090").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/09 18:58
S44	2	("4781831").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/10 10:56
S45	6	("3019904"   "5342517"   "5443724"   "5611924").PN. OR ("6017451").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/20 09:38
S46	43	("3228527"   "3246764"   "3442389"   "3456805"   "3503515").PN. OR ("4547289").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/20 09:39